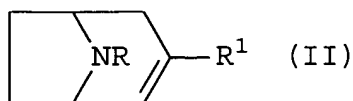


LIST OF CLAIMS

1.-14. (Canceled)

15. (Currently Amended) A 8-azabicyclo[3.2.1]oct-2-ene compound of Formula II,



wherein

R is hydrogen, methyl, ethyl or benzyl; and

R¹ is 3-thienyl, 2-thienyl, 2-(3-methoxymethyl)thienyl, 3-quinolinyl, 3-benzofuryl, 2-benzofuryl, 3-benzothienyl, 2-benzothienyl, 2-benzothiazolyl, 2-thieno[3.2-b]thienyl, thieno[2.3-b]thienyl, 2-(3-bromo)benzofuryl or 2-(3-bromo)benzothienyl or a pharmaceutically acceptable addition salt thereof.

16. (Presently Presented) The 8-azabicyclo[3.2.1]oct-2-ene compound of claim 15 which is

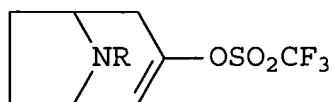
- (±)-8-Methyl-3-(3-quinolinyl)-8-azabicyclo[3.2.1]oct-2-ene;
- (±)-3-(3-Benzofuryl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;
- (±)-3-(3-Benzothienyl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;
- (±)-3-(2-Benzofuryl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;

(±)-3-(2-Benzothienyl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;  
 (±)-3-(2-Benzothiazolyl)-8-methyl-8-azabicyclo[3.2.1]oct-2-ene;  
 (±)-3-(2-Thieno[3.2-b]thienyl)-8-methyl-8-  
 zabicyclo[3.2.1]oct-2-ene;  
 (±)-3-(2-Thieno[2.3-b]thienyl)-8-methyl-8-azabicyclo[3.2.1]oct-2-  
 ene;  
 (±)-3-(2-Benzofuryl)-8-H-8-azabicyclo[3.2.1]oct-2-ene;  
 (±)-3-(2-Benzofuryl)-8-ethyl-8-azabicyclo[3.2.1]oct-2-ene;  
 (±)-3-[2-(3-Bromobenzofuryl)]-8-methyl-8-azabicyclo[3.2.1]oct-  
 2-ene; or  
 (±)-3-[2-(3-Bromobenzothienyl)]-8-methyl-8-  
 azabicyclo[3.2.1]oct-2-ene; or a pharmaceutically acceptable  
 addition salt thereof.

17. (Previously Presently) A pharmaceutical composition, comprising a therapeutically effective amount of a 8-azabicyclo[3.2.1]oct-2-ene compound of claim 15, or a pharmaceutically acceptable addition salt thereof, together with at least one pharmaceutically acceptable carrier or diluent.

18. (Previously Presented) A method for the preparation of the 8-azabicyclo[3.2.1]oct-2-ene compound of claim 15, comprising

a) the step of reacting a compound having the formula



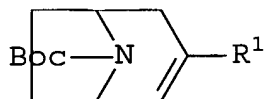
wherein R is as defined in claim 15,

with a compound of formula  $\text{R}^1\text{-X}$ ,

wherein  $\text{R}^1$  is as defined in claim 15,

and X is halogen, boronic acid, or trialkylstannyl; or

b) the step of reducing a compound having the formula



wherein  $\text{R}^1$  is as defined in claim 15.

19-23. (Canceled)